

Work Order ID 113435

113435

Page 1

Friday, February 14, 2014 7:32:05 AM

Item ID: D350-602-013

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/7/2014 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: C2

Date: 14/02/14

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2202	G								
D2694	I								
DSI 9515	B								

100

0.00

100

DC

Doc.Control -USB or Paperwork

DOCUMENT CONTROL

Memo M. W.

Photocopy bluefile & type labels per PPP

0.00

D350-602-013

CHG002

DAS

66

1-9

DEC 19 2014

140

0.00

140

Small Fab

Small Fab

Small Fab

Memo

1-Assemble as per Dwg D2694

0.00

2-Install label D2258-160 on Pod Assembly as per Dwg D2694 at location of max pod load label on pg2 of dwg

1 14/12/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Friday, February 14, 2014 7:32:05 AM

Page 2

Setup Start *NS1*

Stop *NS2*

Customer:

Run Start *NR1*

Stop ***NR2***

DEC 18 2014

DEC 18 2014

DEC 19 2014

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 113435***113435***

Page 3

Friday, February 14, 2014 7:32:05 AM

Item ID: D350-602-013

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop ***NS2***

Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014 Start Qty: 1.00

1

Cust Item ID:

Required Date: 3/7/2014 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

NR1

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

180

0.00

180

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-602-013

Location: 015PPP Rev: ShipDAS
8-09

DEC 19 2014

190

QC21- Final Inspection - Work Order Release

0.00

190

QC

Memo

0.00

Quality Control

MCJ 14-12-19

14-12-19

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Friday, February 14, 2014 7:32:03 AM

Page 1

Work Order ID: 113435

113435

Parent Item: D350-602-013

D350-602-013

Parent Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014

Required Date: 3/7/2014

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A New Issue 06-05-01 JLM IPP Rev:B Added D3495-1 06-05-17
JLM IPP RevC: add route seq DD 10.01.07 verified
by:EC IPP REV:D AS PER ECN 10-558 JLM 10-04-27
VERIFIED BY:DD
IPP Rev:C 09-02-03 update dwg rev's DD verified by:EC IPP Rev:D
add D2202-1 and D2202-5 DD 10.04.07 verified:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2324		Manufactured	No				Each	19.0000					

D2324

Strut Assy

**

DAS
28
9-89

DEC 19 2014

46

9-89

68-6
90
SVD

Location

Loc Qty

Loc Code

ST255

19

100928

1

105350

9

110752

5

112412

4

D3322-041

D3322-041

Pod Assembly

D4091-1

Manufactured No

Each 0.0000

**

DAS
28
9-89

DAS

46

9-89

113436

68-6
90
SVD

Manufactured No

Each 29.0000

**

DAS
28
9-89

DAS

46

9-89

122949

D4091-1

Mounting Lug

68-6
90
SVD

Location

Loc Qty

Loc Code

ST144

29

107990

2

109452

7

110139

20

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Friday, February 14, 2014 7:32:04 AM

Page 2

Work Order ID: 113435

113435

Parent Item: D350-602-013

D350-602-013

Parent Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014

Required Date: 3/7/2014

Start Qty: 1:00

Required Qty: 1.00

D3910-3

Manufactured No

Each

116.0000

D3910-3

X-Tube Lug

DAS
06
9-89

Location

Loc Qty

Loc Code

ST463

66

110324

66

ST464

50

106273

10

111622

40

105941

DAS
46
9-89

DEC 19 2014

D2258-160

Manufactured No

Each

15.0000

D2258-160

Placard

DAS
6
9-89

Location

Loc Qty

Loc Code

ST007

15

110345

10

62072

1

84437

4

2

DAS
28
9-89

DAS
46

D2523

Manufactured No

Each

6.0000

D2523

Mounting Bracket

DAS
06
9-89

Location

Loc Qty

Loc Code

ST166

6

102475

2

105348

3

84863

1

2

DAS
28
9-89

DAS
46
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

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Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
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Material									
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Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

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Page 3

Work Order ID: 113435

113435

Parent Item: D350-602-013

D350-602-013

Parent Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014

Required Date: 3/7/2014

Start Qty: 1.00

Required Qty: 1.00

D2524

Manufactured No

Each 4.0000

D2524

Bracket Clamping

DAS

06

9-89

Location

Loc Qty

Loc Code

ST479

4

102234

1

107684

3

**

DEC 18 2014

DAS
28
9-89

DAS
46
9-89

126390

D3495-1

Manufactured No

Each 4.0000

D3495-1

Placard

DAS

06

9-89

Location

Loc Qty

Loc Code

ST051

4

55564

4

**

DAS
28
9-89

DAS
46
9-89

D3984

Manufactured No

Each 82.0000

D3984

Rubber Extrusion, X-Tube, Per Foot

DAS

06

9-89

Location

Loc Qty

Loc Code

ST411

82

107420

82

**

DAS
28
9-89

DAS
46
9-89

115196

CUT 8 AT 3.00"

AN3-7A

Purchased No

Each 196.0000

AN3-7A

Bolt

DAS

06

9-89

Location

Loc Qty

Loc Code

ST351

96

M127070

96

ST511

100

M126175

100

**

DAS
28
9-89

DAS
46
9-89

129706

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Friday, February 14, 2014 7:32:04 AM

Page 4

Work Order ID: 113435

113435

Parent Item: D350-602-013

D350-602-013

Parent Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014

Required Date: 3/7/2014

Start Qty: 1.00

Required Qty: 1.00

AN3-15A Purchased No

Each 31.0000

AN3-15A

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

FG 10
114941 10
ST351 21
M126400 21

128429

DAS
28
9-89

DEC 18 2014

DAS
46
9-89

AN4-12A Purchased No

Each 107.0000

AN4-12A

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

FG 10
120423 10
ST356 97
M126105 47
M127817 50

129384

DAS
28
9-89

DAS
46
9-89

AN4-14A Purchased No

Each 264.0000

AN4-14A

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

FG 5
122141 5
ST515 259
M127044 9
M127815 250

130716

DAS
28
9-89

DAS
46
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Friday, February 14, 2014 7:32:04 AM

Page 5

Work Order ID: 113435

113435

Parent Item: D350-602-013

D350-602-013

Parent Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014

Required Date: 3/7/2014

Start Qty: 1.00

Required Qty: 1.00

AN4-16A Purchased No

Each 127.0000

AN4-16A

Bolt

DAS
06
9-89

**

DAS
28
9-89

DEC 18 2014

Location

Loc Qty

Loc Code

FG

5

121541

5

ST515

122

M127817

122

130466 x2
128403 x2

(DAS
46
9-89)

NAS1149D0363J Purchased No

Each 2,341.000

NAS1149D0363J

Washer

DAS
06
9-89

**

DAS
28
9-89

(DAS
46
9-89)

Location

Loc Qty

Loc Code

GA

23

124392

23

ST510a

2318

m126319

1126

m127813

1192

24

NAS1149D0463J Purchased No

Each 5,937.000

NAS1149D0463J

WASHER

DAS
06
9-89

**

DAS
28
9-89

(DAS
46
9-89)

Location

Loc Qty

Loc Code

ST294

1537

M127693

1537

ST510a

4400

M127813

1400

M127904

3000

130799

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube <input type="checkbox"/></td> <td style="width:15%;">Crosstube <input type="checkbox"/></td> <td style="width:15%;">Water Jet <input type="checkbox"/></td> <td style="width:15%;">Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Picklist Print

Friday, February 14, 2014 7:32:05 AM

Page 6

Work Order ID: 113435

113435

Parent Item: D350-602-013

D350-602-013

Parent Item Name: Heli-Utility-Pod™ LH

Start Date: 2/7/2014

Required Date: 3/7/2014

Start Qty: 1.00

Required Qty: 1.00

MS21042L3

Purchased

No

Each

4,003.000

12

MS21042L3

**

DAS
28
9-89

DEC 18 2014

Nut

DAS
28
9-89

Location

Loc Qty

Loc Code

ST314

48

130799

(DAS
46
9-89)

M127304

7

M127831

41

ST506

955

123900

955

ST509

3000

M127410

3000

MS21042L4

Purchased

No

Each

3,583.000

21

MS21042L4

**

DAS
28
9-89

DAS
46
9-89

Locknut

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

48

129934

m126333

48

ST509

3524

m127255

1524

m127813

2000

ST518

11

m127376

11

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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NOTES:

1) MATERIALS:

RESIN: EPOCAST 50-A/9816,
OR DERAKANE 470-36/411/510A40

FOAM: A500 CORE CELL,
OR DIVINYCELL,
OR AIREX,
0.38 THICK (3/8 FOAM)

FIBRE: 9.7 oz 7781 WEAVE "S" GLASS (9 oz SATIN)
5 oz PLAIN WEAVE KEVLAR (5 oz KEVLAR)

2) FINISH: INSIDE = PRIME PER DART QSI 005 4.2
OUTSIDE = WHITE GELCOAT #GEL 944W005

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: NONE

7) WEIGHT: N/A

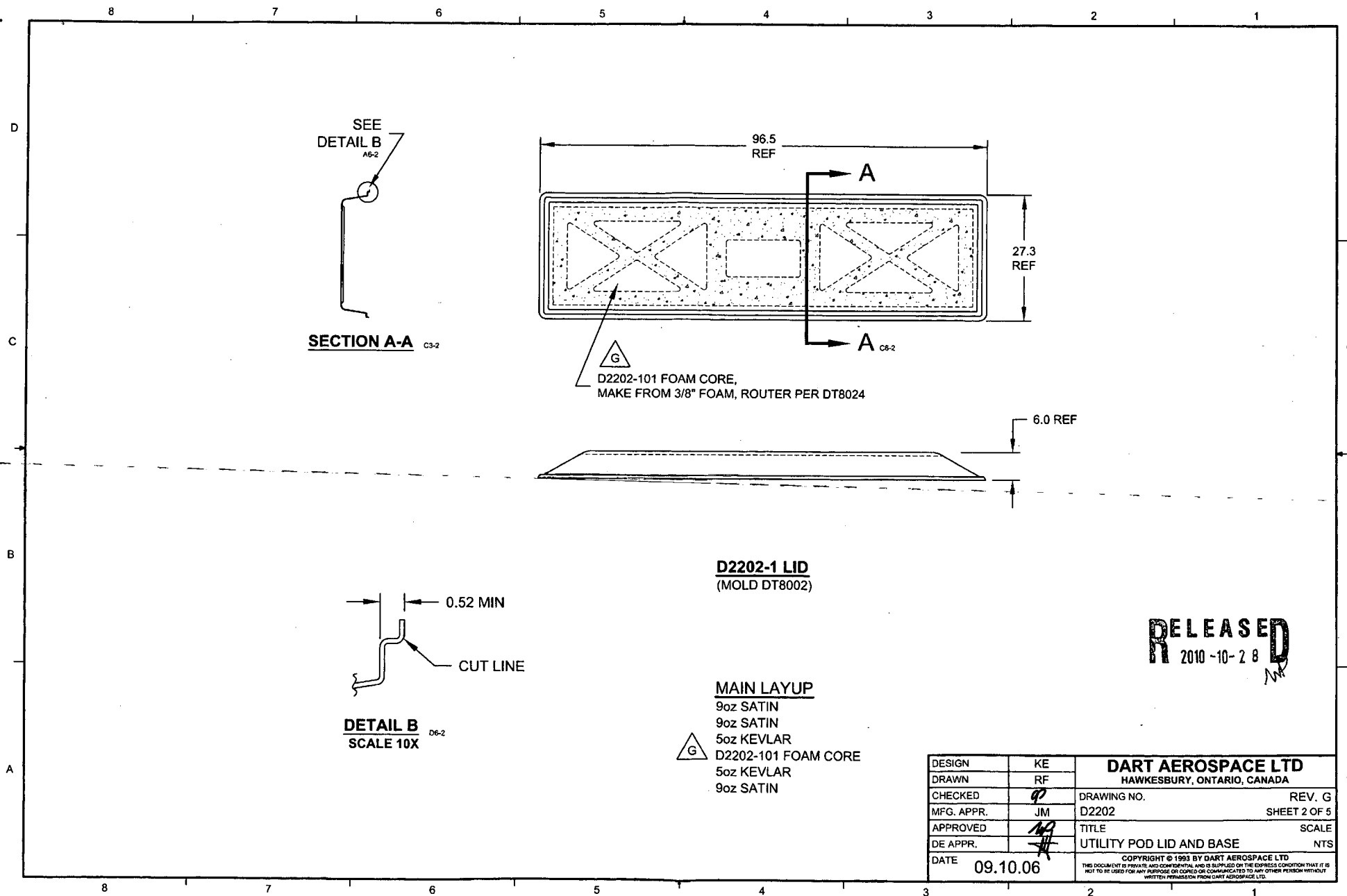
8) LAMINATE PER DART QSI 006.
LAMINATION SCHEDULE PER THIS DRAWING.

9) PEEL PLY ALL SURFACES.

CX 14/102/14
W10.113435

RELEASED
2010-10-28

G	REFORMAT DRAWING TO CURRENT STANDARDS; D2202-101 WAS D2202-1 (ZN C5-2, A4-2); ADD 77.5 & 22.0 DIM. (ZN D4-3, C6-3); D2202-103 WAS D2202-5 (ZN C5-3, A4-3); ADD 2.00 MAX (ZN D3-4); INCORPORATED DEO 9217 & ADD D2202-5/-6 ON SHEET 5 PER PAR 09-034	RF	09.10.06
F	CHANGE LAYUP, DOUBLER, NOW DRILLED	CP	01.03.14
E	ADDED SECTIONS WITH LIP DIMS	KE	99.11.11
D	MOVED DOUBLERS, REMOVED HOLES	KE	98.11.09
C	REVISED DOUBLER/HOLES LOCATIONS	KE	97.07.04
B	ADD DOUBLERS AND HOLES	-	93.10.27
A	NEW ISSUE	-	93.10.27
REV.	DESCRIPTION	BY	DATE
DESIGN	KE	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	97	DRAWING NO.	REV. G
MFG. APPR.	JM	D2202	SHEET 1 OF 5
APPROVED	147	TITLE	SCALE
DE APPR.	147	UTILITY POD LID AND BASE	NTS
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SEE
DETAIL D
B7-3

SECTION C-C C4-3

ENSURE THIS
EDGE IS STRAIGHT
WITHIN 0.060"
AFTER TRIMMING

D2202-103 FOAM CORE,
MAKE FROM 3/8" FOAM, ROUTER PER DT8559

C4-4
DETAIL E,
DOUBLER INSTALLATION

A4-4
DETAIL F,
HOLE LOCATION

DETAIL D D7-3
SCALE 10X

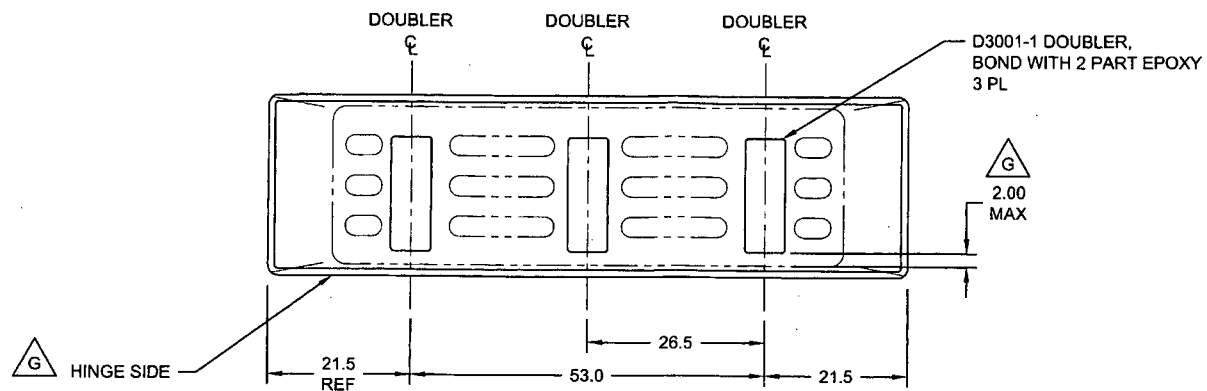
D2202-3 BASE
(MOLD DT8002)

MAIN LAYUP

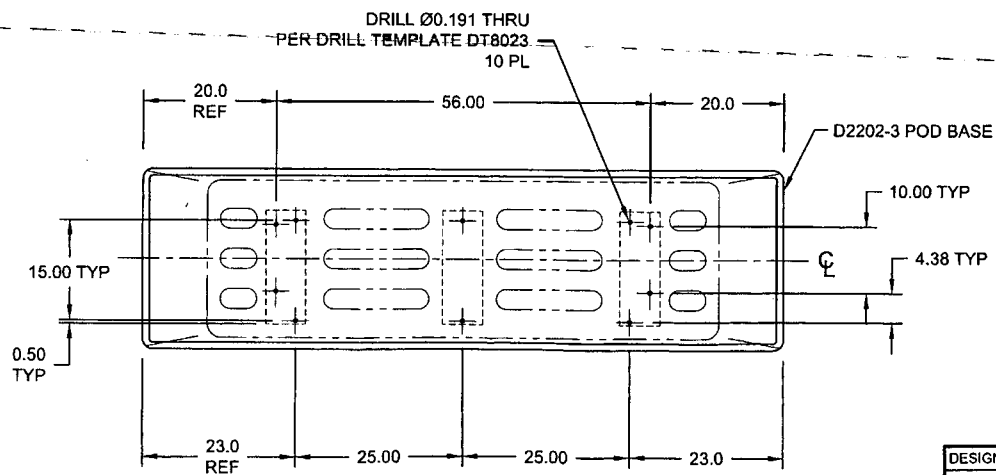
9oz SATIN
9oz SATIN
5oz KEVLAR
D2202-103 FOAM CORE
5oz KEVLAR
5oz KEVLAR
9oz SATIN

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2010-10-28

DESIGN	KE	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	97	DRAWING NO.	REV. G
MFG. APPR.	JM	D2202	SHEET 3 OF 5
APPROVED	112	TITLE	SCALE
DE APPR.	112	UTILITY POD LID AND BASE	NTS
DATE	09.10.06	COPYRIGHT © 1993 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



DETAIL E: INSTALLATION OF D3001-1 DOUBLERS C3-3



DETAIL F: HOLE DRILLING C3-3
(AFTER DOUBLER INSTALLATION)

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2010-10-28

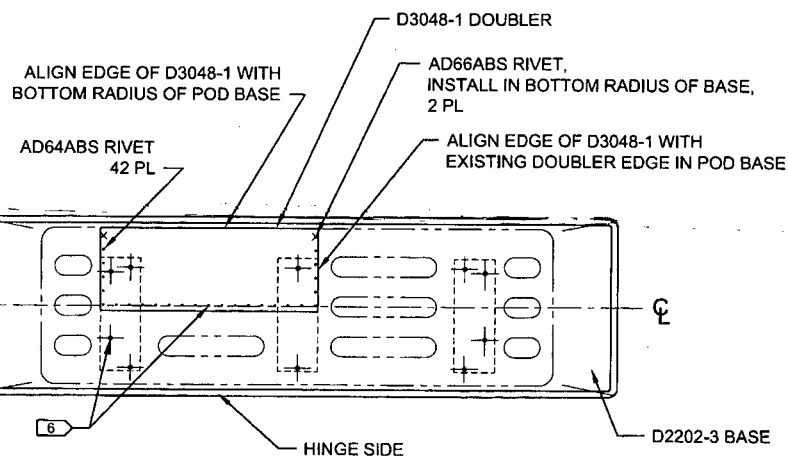
DESIGN	KE	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	97	DRAWING NO.	REV. G
MFG. APPR.	JM	D2202	SHEET 4 OF 5
APPROVED	149	TITLE	SCALE
DE APPR.	149	UTILITY POD LID AND BASE	NTS
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NOTES : TO MAKE A D2202-5-6 BASE (FOR D350-602-013/-014) FROM A D2202-3 BASE

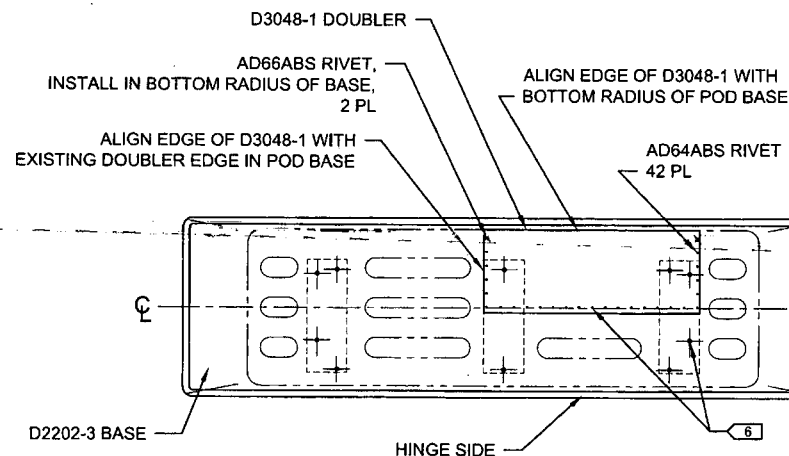
- 1) REMOVE FOAM IN AREA OF POD BASE WHERE D3048-1 DOUBLER WILL BE INSTALLED
- 2) FILL GAPS WITH 9oz SATIN AND RESIN PER DWG (APPROX. 3-4 LAYERS)
- 3) 2 LAYERS OF 9oz SATIN
- 4) BOND D3048-1 DOUBLER IN ORIENTATION SHOWN AND LET CURE
- 5) TRANSFER Ø0.125 HOLES FROM D3048-1 TO POD BASE. INSTALL DOUBLER WITH AD64ABS RIVETS (42) AND AD66ABS (2)
- 6) TRANSFER Ø0.191 HOLES FROM POD BASE TO D3048-1. SEAL HOLES WITH CYANOACRYLATE GLUE
- 7) TOUCH UP AFFECTED AREA WITH GREY PRIMER PER DWG
- 8) FILL CENTER OF THE AD RIVETS WITH RTV 732 TO SEAL

PART LIST:

QTY -5	QTY -6	PART NUMBER	DESCRIPTION
X		D2202-5	POD BASE
	X	D2202-6	POD BASE
1	1	D2202-3	BASE
1	1	D3048-1	DOUBLER
42	42	AD64ABS	RIVET
2	2	AD66ABS	RIVET
A/R	A/R	RTV	SEALANT



D2202-5 BASE: D3048-1 DOUBLER INSTALLATION
(MAKE FROM D2202-3 BASE)



D2202-6 BASE: D3048-1 DOUBLER INSTALLATION
(MAKE FROM D2202-3 BASE)

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DESIGN	KE	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	JP	DRAWING NO.	REV. G
MFG. APPR.	JM	D2202	SHEET 5 OF 5
APPROVED	JP	TITLE	SCALE
DE APPR.	JP	UTILITY POD LID AND BASE	NTS
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Qty	Part Number	Description
X	D2694	UTILITY POD ASSEMBLY
1	D2202-1	POD LID
1	D2202-3	POD BASE
5	D2204-9	LATCH
1	D2429-041	SPRING CLIP ASSEMBLY
1	D2461-1700	NEOPRENE SEAL
5	D2528-1	BACKER PLATE
4	D2528-3	BACKER PLATE
1	D2569	HINGE
1	D3007-041	PROP ASSEMBLY
19	AN4-5A	BOLT
1	AN4-6A	BOLT
2	AN526C632R7	SCREW
21	AN960JD416	WASHER
2	AN960JD6	WASHER
2	MS21042L06	NUT (OR MS21042-06)
20	MS21042L4	NUT (OR MS21042-4)
38	AD62ABS	RIVET

GENERAL NOTES:

1) MATERIAL: N/A

2) FINISH: PRIME AND PAINT PER QSI 005 4.2 TO MATCH ORIGINAL FINISH
AS REQ'D TO TOUCH UP FINISH AFTER DRILLING OR ASSEMBLY
INSIDE: DUPONT HIGHBUILD PRIMER GREY 1144-S
OR DUPONT 2K-URETHANE PRIMER GREY 7704-S
OUTSIDE: DUPONT IMRON POLYURETHANE ENAMEL BASE WHITE (555U)

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: N/A

7) WEIGHT: 48.5 lbs

8) TRANSFER DRILL UNSPECIFIED HOLES FROM ATTACHING PART AS FOLLOWS: AN526C632 → DRILL Ø0.141
AN4 → DRILL Ø0.257

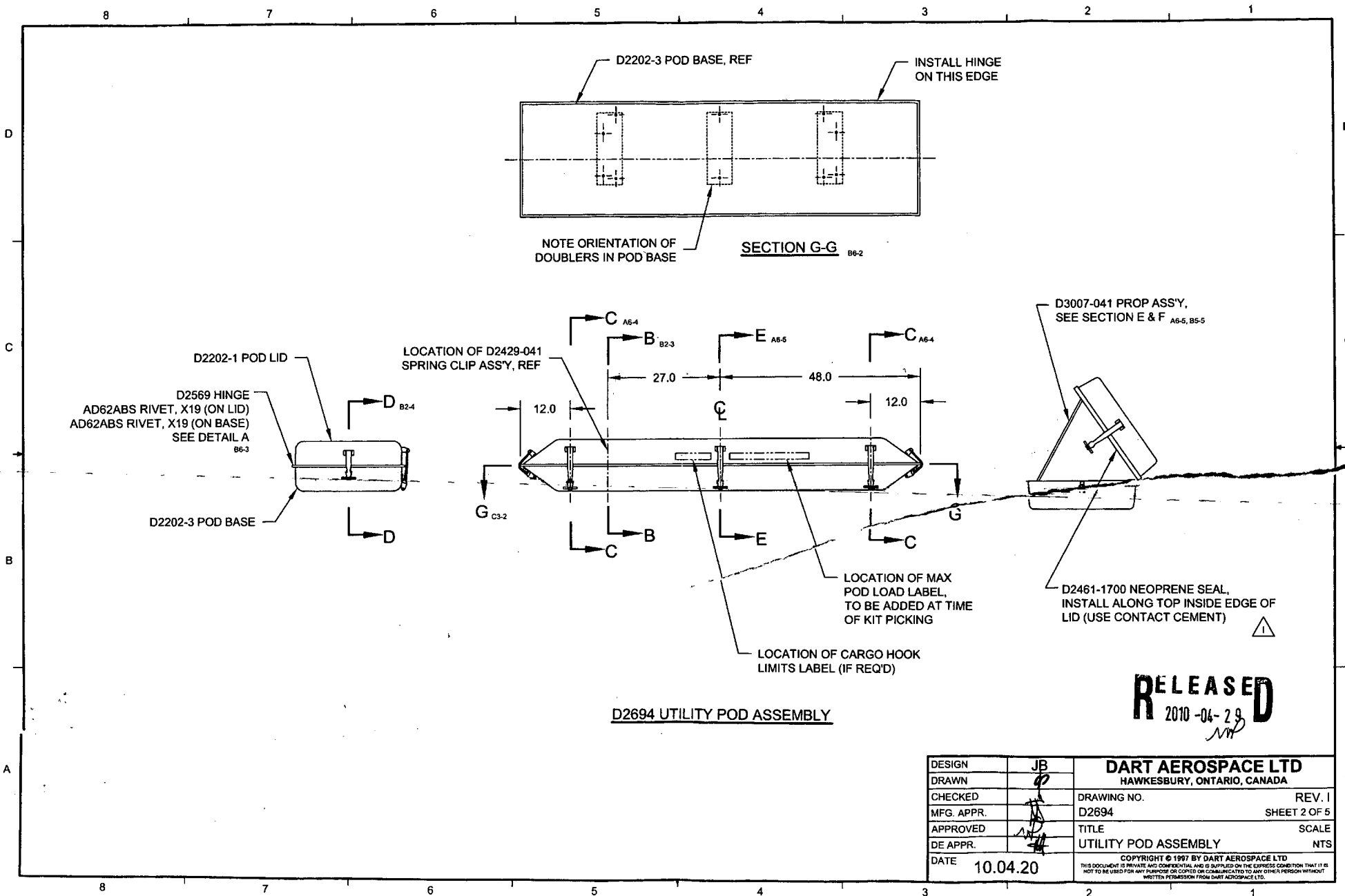
9) SEAL ALL HOLES AND EDGES OF POD WITH CYANOACRYLATE GLUE

10) FOR D2569 HINGE:

- (i) INSTALL RIVET HEADS FROM OUTSIDE OF POD
- (ii) GRIND TRAILING EDGE OF RIVET TO PERMIT HINGE TO CLOSE
- (iii) ENSURE ALL RIVET HOLES ARE DRILLED ON THE LARGER HINGE TABS AS SHOWN IN DETAIL A

RELEASED
2010-04-29

I	REFORMAT, D2204-9 LOC SPEC'D (B2-4,B6-4,C2-4,C6-4,B6-5,C6-5), D2461-X WAS D2462-X (D5-1,B1-2), ADD FINISH (B5-1)	CP	10.04.20
H	CHANGED RIVETS FROM AD64ABS TO AD62ABS (PAR#185)	DC	07.07.18
G	REVERT BACK TO D2204-9 LATCH	CP	01.05.08
F	REDESIGN, CHANGE LATCHES & PROP	CP	01.03.20
E	CHANGE DIMENSIONS	RF	99.12.20
D	SEAL & HINGE CHANGE (TSR A1047 & A855/A858); INCLUDED DE09119	CP	99.01.08
C	ADD DOUBLER HOLES, REMOVE FINISH	KE	98.11.12
B	CHANGE RIVET PATTERN, ADD D2429	KE	97.10.08
A	NEW ISSUE CREATED TO REPLACE D350-602-041 AND -043	KE	97.07.02
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	JP		
CHECKED		DRAWING NO.	REV. I
MFG. APPR.		D2694	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		UTILITY POD ASSEMBLY	NTS
DATE	10.04.20	COPYRIGHT © 1997 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR FOR COMMERCIAL PURPOSES TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



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CHECKED		DRAWING NO.	REV. 1
MFG. APPR.		D2694	SHEET 2 OF 5
APPROVED		TITLE	SCALE
DE APPR.		UTILITY POD ASSEMBLY	NTS
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8 7 6 5 4 3 2 1

D

D

C

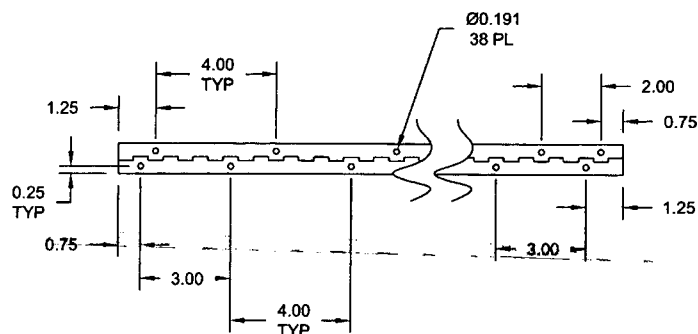
C

B

B

A

A



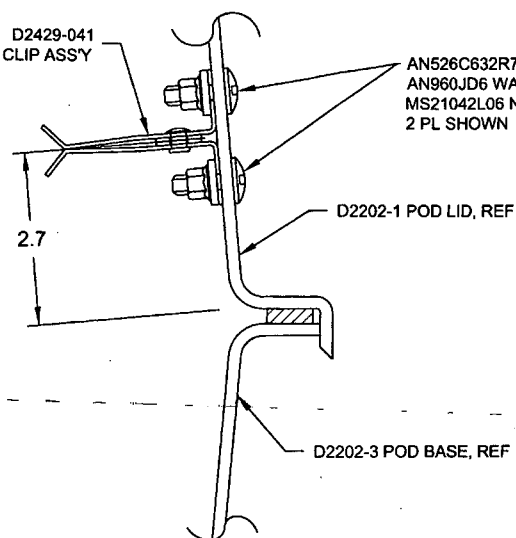
DETAIL A: HINGE
NOT TO SCALE

10
C7-2

D2429-041
SPRING CLIP ASSY

AN526C632R7 SCREW
AN960JD6 WASHER
MS21042L06 NUT,
2 PL SHOWN

8



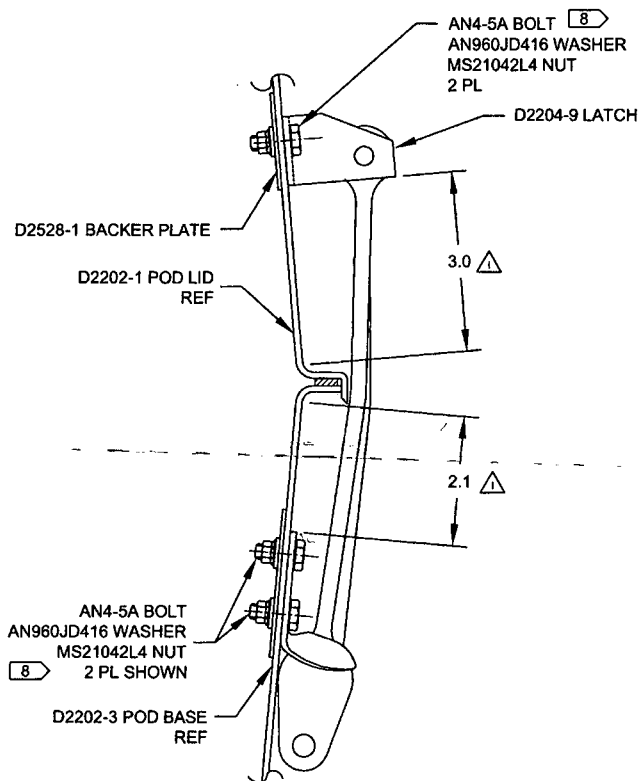
SECTION B-B
NOT TO SCALE

C5-2

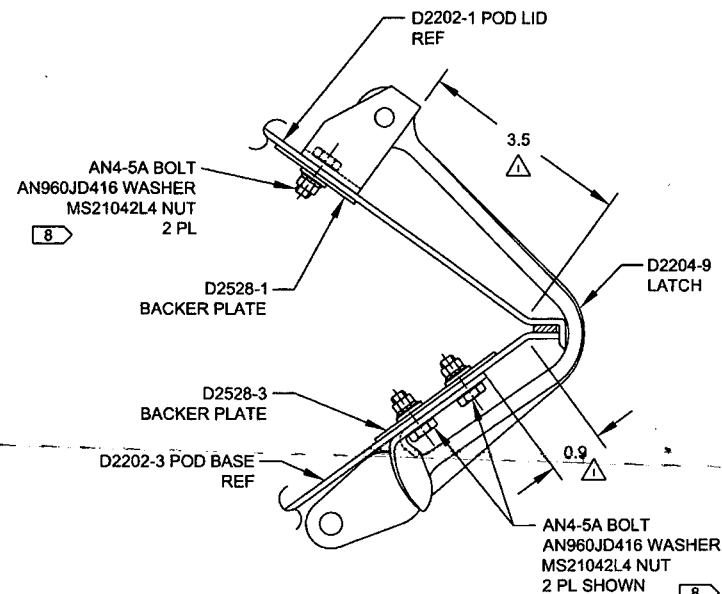
RELEASED
2010-04-29
MPO

DESIGN	JB	DART AEROSPACE LTD	
DRAWN	JP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JP	DRAWING NO.	REV. 1
MFG. APPR.	JP	D2694	SHEET 3 OF 5
APPROVED	JP	TITLE	SCALE
DE APPR.	JP	UTILITY POD ASSEMBLY	NTS
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8 7 6 5 4 3 2 1



SECTION C-C
SCALE 10X C3-2, C5-2



SECTION D-D
SCALE 10X C6-2

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2010-04-29
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DESIGN	JB	DART AEROSPACE LTD	
DRAWN	JP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AS	DRAWING NO.	REV. 1
MFG. APPR.	WJ	D2694	SHEET 4 OF 5
APPROVED	WJ	TITLE	SCALE
DE APPR.	WJ	UTILITY POD ASSEMBLY	NTS
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8 7 6 5 4 3 2 1

D

D

C

C

B

B

A

A

D2202-1 POD LID, REF
D2528-1 BACKER PLATE
D2012-107 CLEVIS, REF

AN4-6A BOLT
AN960JD416 WASHER, 2X
MS21042L4 NUT
1 PL, BOLT HEAD ON INSIDE
OF POD AS SHOWN

D3007-1 PROP ARM
REF

AN4-10A BOLT, REF
D2022-101 SPACER, 2X REF
AN960JD416 WASHER, REF
MS21042L4 NUT, REF

AN4-5A BOLT
AN960JD416 WASHER
MS21042L4 NUT
1 PL, BOLT HEAD ON OUTSIDE
OF POD, NOT SHOWN

3.0

2.1

F_{B2-5}

D2705 SUPPORT BRACKET
REF

AN4-5A BOLT
AN960JD416 WASHER
MS21042L4 NUT
2 PL SHOWN

D2204-9 LATCH

D2202-3 POD BASE
REF

SECTION E-E C4-2
SCALE 10X

SL69-BS BALL STUD, REF
D3015-3 LOCKNUT, REF
AN960JD518 WASHER, REF

D3007-1 PROP ARM
REF

D2705 SUPPORT BRACKET, REF
ATTACH TO INSIDE
OF POD BASE

D2204-9 LATCH BASE
BRACKET, REF

SECTION F-F 85-5
D3007-041 PROP ASSY DETAIL
SECTION ROTATED 85° CW

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2010-04-29

DESIGN	JB	DART AEROSPACE LTD	
DRAWN	JP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JP	DRAWING NO.	REV.
MFG. APPR.		D2694	SHEET 5 OF 5
APPROVED	JP	TITLE	SCALE
DE APPR.		UTILITY POD ASSEMBLY	NTS
DATE	10.04.20	COPYRIGHT © 1997 BY DART AEROSPACE LTD	
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8 7 6 5 4 3 2 1

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-602 REV E (OR EARLIER REV.)
AND INSTRUCTIONS FOR CONTINUOUS AIRWORTHINESS ICA-D350-602 REV. 0

REF. TCCA STC: SH93-97

REF. FAA STC: SR01144NY

REF. EASA STC: EASA.IM.R.S.01290

PURPOSE

Dart Heli-Utility-Pods D350-602-011 @ CHG 006 and D350-602-013/014 @ CHG 002 have new attachment lugs.

CHANGE

The D2230-1/-3 clamps are replaced with wider D4091-1/D3910-3 lugs. The abrasion strip is replaced with D3984-030 rubber extrusion. The D2462-1700 Neoprene Seal is replaced with D2461-1700 Neoprene 'D' Seal. The modified parts list for Installation Instruction D350-602 and Instructions for Continued Airworthiness ICA-D350-602 is shown on sheet 2 of this service instruction. Install the lugs as shown in Figure 1 & 2 of this service instruction. The pod should otherwise be installed per D350-602 and maintained per ICA-D350-602.

The weight and balance for Dart Heli-Utility-Pods D350-602-011 @ CHG 006 and D350-602-013/014 @ CHG 002 (or later) are updated as follows:

5.0 WEIGHT AND BALANCE (D350-602 Rev. E)

25.6 WEIGHT AND BALANCE (ICA-D350-602 Rev. 0)

The following weight and balance information is for the Dart *Heli-Utility-Pod™*. The weight and balance of any parts that are removed from the aircraft to perform this installation or equipment installed/stowed in the pods are the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-602-011 @ CHG 006	61.2 lb	±51.0 in	±3121 in-lb	135 in	8262 in-lb
Heli-Utility-Pod™ LH or RH	27.8 kg	±1.29 m	±35.9 m-kG	3.43 m	95.4 m-kG
D350-602-013 @ CHG 002	61.2 lb	±51.0 in	-3121 in-lb	135 in	6872 in-lb
Heli-Utility-Pod™ LH	27.8 kg	-1.29 m	-35.9 m-kG	3.43 m	79.2 m-kG
D350-602-014 @ CHG 002	61.2 lb	+51.0 in	+3121 in-lb	135 in	6872 in-lb
Heli-Utility-Pod™ RH	27.8 kg	+1.29 m	+35.9 m-kG	3.43 m	79.2 m-kG






LUG UPGRADE KIT

The Dart DSI-9515-011 kit is available to upgrade D350-602-XXX Heli-Utility-Pods made to earlier change numbers with D4091-1 / D3910-3 lugs. The lugs should be installed per Figure 1 & 2 of this service instruction.

QTY	Part Number	Description
-011		
X	DSI-9515-011	LUG UPGRADE KIT
4	D4091-1	LUG
4	D3910-3	LUG
8	D3984-030	RUBBER EXTRUSION
16	AN4-14A	BOLT
32	AN960JD416	WASHER (OR NAS1149DO463J)
16	MS21042L4	NUT (OR MS21042-4)

22/14/02/14
W/O. 113435

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01
APPROVED 
BY: D. SHEPHERD (DE # 02)
DATE: 10.04.23
CERT. NO.: SH93-97
ISSUE NO.: 4

B	NAS1149DO463J WAS xDN432J & CHG QTY	CP	10.04.23
A	NEW ISSUE	CP	10.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9515	SHEET 1 OF 4
APPROVED		TITLE	SCALE
DE APPR.		LUG MODIFICATION	NTS
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6.0 PART LIST (D350-602 Rev. E)
25.7 PARTS LIST (ICA-D350-602 Rev. 0)

Qty D350-602 -011	Qty D350-602 -013	Qty D350-602 -014	Qty DSI9052 -013	Part Number	Description
X				D350-602-011	HELI-UTILITY-POD™ (FITS BOTH LH/ RH)
	X			D350-602-013	HELI-UTILITY-POD™, LH
		X		D350-602-014	HELI-UTILITY-POD™, RH
			X	DSI9052-013	QUICK RELEASE KIT
1				D2694	POD ASSEMBLY (LH OR RH)
	1			D3322-041	POD ASSEMBLY (LH)
		1		D3322-042	POD ASSEMBLY (RH)
1	1	1		*D2202-1	POD LID
1				*D2202-3	POD BASE
	1	1		*D2202-5	POD BASE
5	5	5		*D2204-9	LATCH
1	1	1		*D2429-041	SPRING CLIP ASSEMBLY
1	1	1		*D2461-1700	NEOPRENE 'D' SEAL
5	5	5		*D2528-1	BACKER PLATE
4	4	4		*D2528-3	BACKER PLATE
1	1	1		*D2569	HINGE
1	1	1		*D3007-041	PROP ASSEMBLY
1	1	1		** D2012-107	CLEVIS
2	2	2		** D2022-101	SPACER
1	1	1		** D2705	SUPPORT BRACKET
1	1	1		** D3007-1	STRUT
1	1	1		** D3015-3	LOCKNUT
1	1	1		** AN4-10A	BOLT
1	1	1		** AN960JD416	WASHER
1	1	1		** MS21042L4	NUT (OR MS21042-4)
1	1	1		** SL69-BS	BALL STUD
1	1	1		** AN960JD516	WASHER
19	19	19		AN4-5A	BOLT
1	1	1		AN4-6A	BOLT
2	2	2		AN526C632R7	SCREW
21	21	21		AN960JD416	WASHER
2	2	2		AN960JD6	WASHER
2	2	2		MS21042L06	NUT (OR MS21042-06)
20	20	20		MS21042L4	NUT (OR MS21042-4)
4	4	4		D4091-1	LUG
4	4	4		D3910-3	LUG
1	1	1		D2258-160	LABEL
1	1	1		D2324-1	STRUT ASSEMBLY
2	2	2		D2523	MOUNTING BRACKET
2	2	2		D2524	SIDE PLATE
1	1	1		D3495-1	PLACARD
8	8	8		D3984-030	RUBBER EXTRUSION
4	4	4		AN3-7A	BOLT
8	8	8		AN3-15A	BOLT
1	1	1		AN4-12A	BOLT
16	16	16		AN4-14A	BOLT
4	4	4		AN4-16A	BOLT
24	24	24		AN960JD10	WASHER
42	42	42		AN960JD416	WASHER
12	12	12		MS21042L3	NUT (OR MS21042-3)
21	21	21		MS21042L4	NUT (OR MS21042-4)
			1	BLRS-010	QUICK RELEASE PIN (1" GRIP)
			3	BLRS-020	QUICK RELEASE PIN (1.5" GRIP)

* INCLUDED IN D2694 OR D3322-041/-042 POD ASSEMBLIES LISTED ABOVE

** INCLUDED IN D3007-041 PROP ASSEMBLY LISTED ABOVE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01






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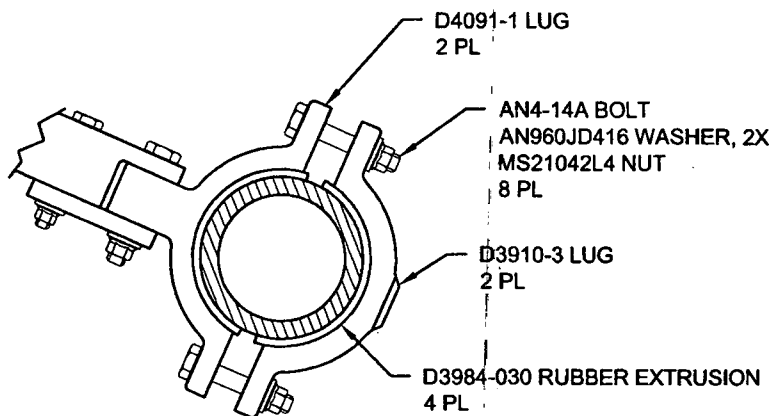
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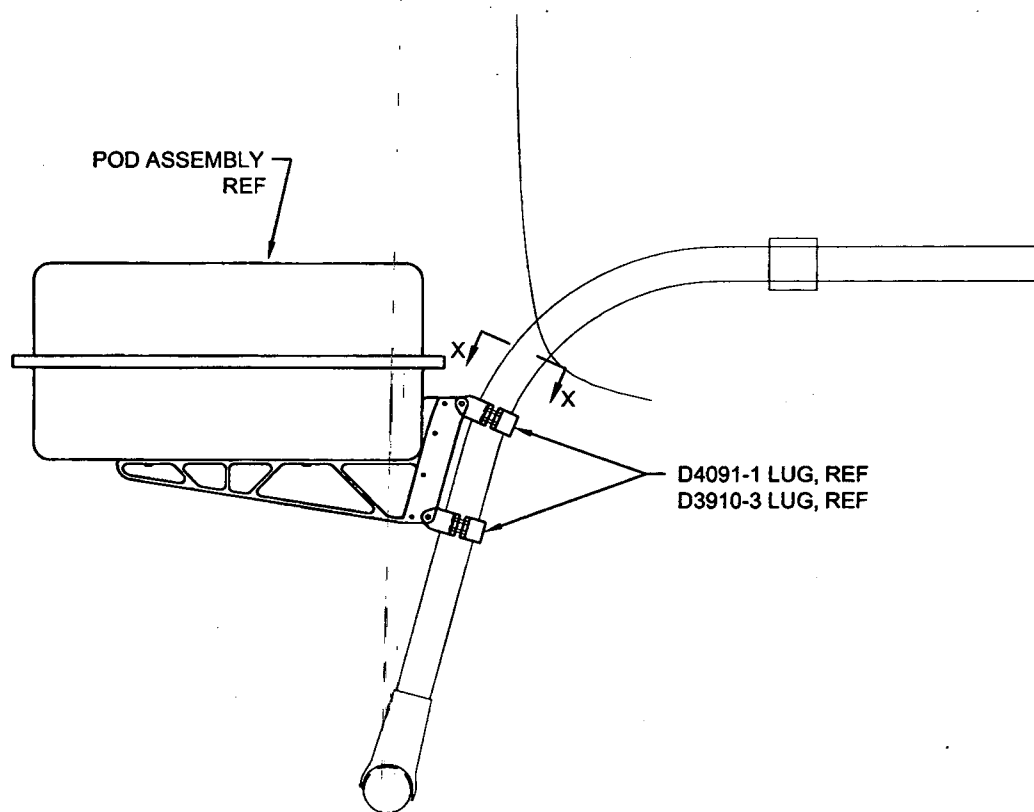


FIGURE 1: Aft Crosstube Attachment
(Installation of D4091-1 / D3910-3 Lugs)

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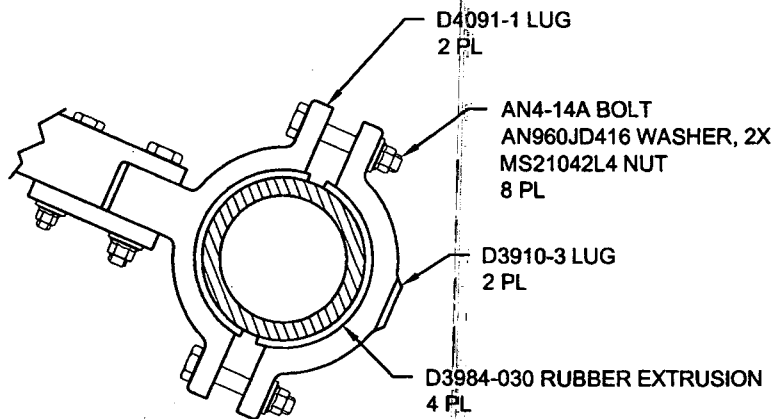
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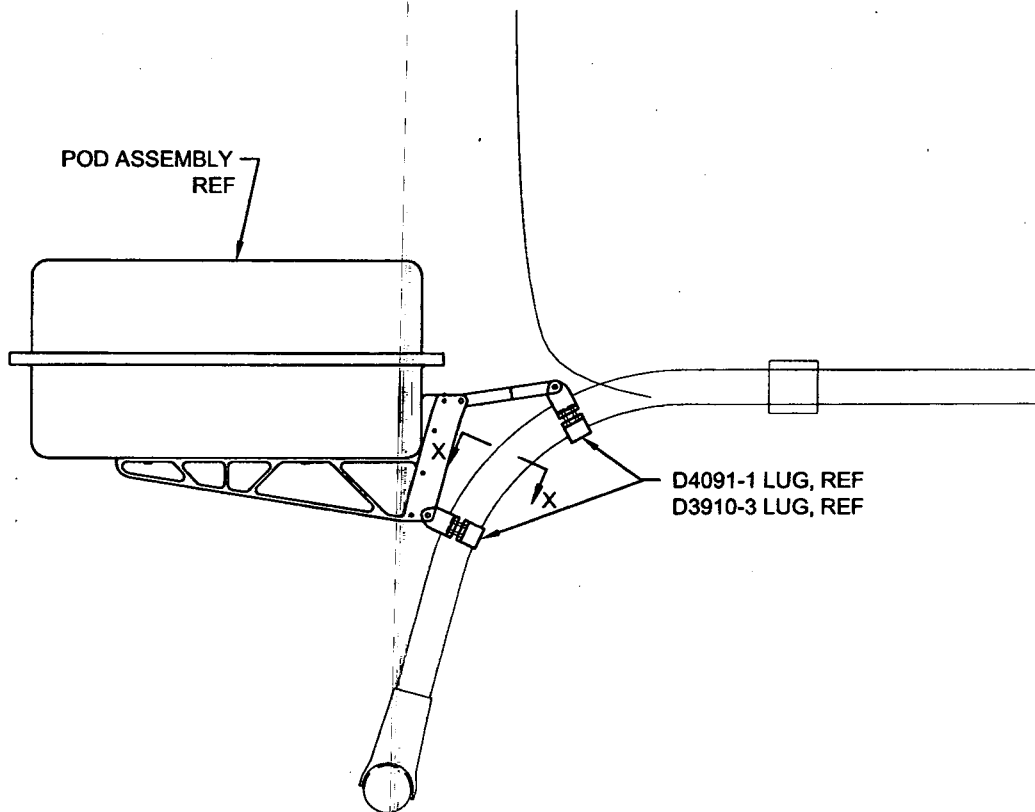


FIGURE 2: Fwd Crosstube Attachment
(Installation of D4091-1 / D3910-3 Lugs)

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6.0 PARTS LIST

Qty D350-602 -011	Qty D350-602 -013	Qty D350-602 -014	Qty DSI9052 -013	Part Number	Description
X				D350-602-011	HELI-UTILITY-POD™ (FITS BOTH LH/ RH)
	X			D350-602-013	HELI-UTILITY-POD™, LH
		X		D350-602-014	HELI-UTILITY-POD™, RH
			X	DSI9052-013	QUICK RELEASE KIT
1				D2694	POD ASSEMBLY (LH OR RH)
	1			D3322-041	POD ASSEMBLY (LH)
		1		D3322-042	POD ASSEMBLY (RH)
1	1	1		*D2202-1	POD LID
1				*D2202-3	POD BASE
	1	1		*D2202-5	POD BASE
5	5	5		*D2204-9	LATCH
1	1	1		*D2429-041	SPRING CLIP ASSEMBLY
1	1	1		*D2462-1700	NEOPRENE SEAL
5	5	5		*D2528-1	BACKER PLATE
4	4	4		*D2528-3	BACKER PLATE
1	1	1		*D2569	HINGE
1	1	1		*D3007-041	PROP ASSEMBLY
1	1	1		** D2012-107	CLEVIS
2	2	2		** D2022-101	SPACER
1	1	1		** D2705	SUPPORT BRACKET
1	1	1		** D3007-1	STRUT
1	1	1		** D3015-3	LOCKNUT
1	1	1		** AN4-10A	BOLT
1	1	1		** AN960JD416	WASHER
1	1	1		** MS21042L4	NUT (OR MS21042-4)
1	1	1		** SL69-B5	BALL STUD
1	1	1		** AN960JD516	WASHER
19	19	19		AN4-5A	BOLT
1	1	1		AN4-6A	BOLT
2	2	2		AN526C632R7	SCREW
21	21	21		AN960JD416	WASHER
2	2	2		AN960JD6	WASHER
2	2	2		MS21042L06	NUT (OR MS21042-06)
20	20	20		MS21042L4	NUT (OR MS21042-4)
4	4	4		D2230-1	CLAMP
4	4	4		D2230-3	CLAMP
1	1	1		D2258-100	LABEL
1	1	1		D2324-1	STRUT ASSEMBLY
2	2	2		D2523	MOUNTING BRACKET
2	2	2		D2524	SIDE PLATE
4	4	4		D2856-400-720	ABRASION STRIP
1	1	1		D3495-1	PLACARD
4	4	4		AN3-7A	BOLT
8	8	8		AN3-15A	BOLT
1	1	1		AN4-12A	BOLT
8	8	8		AN4-13A	BOLT
4	4	4		AN4-16A	BOLT
24	24	24		AN960JD10	WASHER
26	26	26		AN960JD416	WASHER
12	12	12		MS21042L3	NUT (OR MS21042-3)
13	13	13		MS21042L4	NUT (OR MS21042-4)
			1	BLRS-010	QUICK RELEASE PIN (1" GRIP)
			3	BLRS-020	QUICK RELEASE PIN (1.5" GRIP)

* INCLUDED IN D2694 OR D3322-041/-042 POD ASSEMBLIES LISTED ABOVE

** INCLUDED IN D3007-041 PROP ASSEMBLY LISTED ABOVE

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Revision: E
Date: 06.01.2332
26
5

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-602 REV E (OR EARLIER REV.)
AND INSTRUCTIONS FOR CONTINUOUS AIRWORTHINESS ICA-D350-602 REV. 0

REF. TCCA STC: SH93-97

REF. FAA STC: SR01144NY

REF. EASA STC: EASA.IM.R.S.01290

PURPOSE

Dart Heli-Utility-Pods D350-602-011 @ CHG 006 and D350-602-013/-014 @ CHG 002 have new attachment lugs.

CHANGE

The D2230-1/-3 clamps are replaced with wider D4091-1/D3910-3 lugs. The abrasion strip is replaced with D3984-030 rubber extrusion. The D2462-1700 Neoprene Seal is replaced with D2461-1700 Neoprene 'D' Seal. The modified parts list for Installation Instruction D350-602 and Instructions for Continued Airworthiness ICA-D350-602 is shown on sheet 2 of this service instruction. Install the lugs as shown in Figure 1 & 2 of this service instruction. The pod should otherwise be installed per D350-602 and maintained per ICA-D350-602.

The weight and balance for Dart Heli-Utility-Pods D350-602-011 @ CHG 006 and D350-602-013/-014 @ CHG 002 (or later) are updated as follows:

5.0 WEIGHT AND BALANCE (D350-602 Rev. E)

25.6 WEIGHT AND BALANCE (ICA-D350-602 Rev. 0)

The following weight and balance information is for the Dart *Heli-Utility-Pod™*. The weight and balance of any parts that are removed from the aircraft to perform this installation or equipment installed/stowed in the pods are the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-602-011 @ CHG 006	61.2 lb	±51.0 in	±3121 in-lb	135 in	8262 in-lb
Heli-Utility-Pod™ LH or RH	27.8 kg	±1.29 m	±35.9 m-kG	3.43 m	95.4 m-kG
D350-602-013 @ CHG 002	61.2 lb	±51.0 in	±3121 in-lb	135 in	8262 in-lb
Heli-Utility-Pod™ LH	27.8 kg	±1.29 m	±35.9 m-kG	3.43 m	95.4 m-kG
D350-602-014 @ CHG 002	61.2 lb	±51.0 in	±3121 in-lb	135 in	8262 in-lb
Heli-Utility-Pod™ RH	27.8 kg	±1.29 m	±35.9 m-kG	3.43 m	95.4 m-kG

LUG UPGRADE KIT

The Dart DSI-9515-011 kit is available to upgrade D350-602-XXX Heli-Utility-Pods made to earlier change numbers with D4091-1 / D3910-3 lugs. The lugs should be installed per Figure 1 & 2 of this service instruction.

QTY -011	Part Number	Description
X	DSI-9515-011	LUG UPGRADE KIT
4	D4091-1	LUG
4	D3910-3	LUG
8	D3984-030	RUBBER EXTRUSION
16	AN4-14A	BOLT
32	AN960JD416	WASHER (OR NAS1149DO463J)
16	MS21042L4	NUT (OR MS21042-4)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY:

D. SHEPHERD (DE # 02)

DATE: 10.04.23

CERT. NO.: SH93-97

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